6

1949 - 1950. **File No.** 305 1/48(1)

P.W. DEPARTMENT

B CLASS El. BRANCH

Subject:— Electric License

Report by the El. Engr.
to Govt. on the position
of supply of — by the
Amalgamated El.
Coy. (Belgaum) Ltd

B [K] 1950

File No. 305-1-48(1) - El.

Ltd. Secrt. Slip. 91 A

G. R., G. D., No. 2408, dated 22-6-[illegible]

Std. Sectt. 78 a.

DOCKET SHEET

Subject:—

File No. 305/48(1)

P.W.D. **DEPT.**

E/S **BRANCH.**

References:—

Date.	To whom sent.	Notes and instructions.
14/12	25.	[illegible] (15-1-57)
1/3/[illegible]	EE I	
14/4	25	[illegible]
19/4	File BV	File (A)

305/48(4)
40927

El.Br. P.W.D.

Submitted together with S. Nos. 39133, 40210, 40211, 40488, 40809 and 41966.

2. The main file No. 305/48 has been put up with S. 92/37638 which has been submitted to the U.S. & Secy.(I) on 27-6-49. It is to be referred U.O. to the El.Comnr.

These references may be awaited till the file is received from the El.Comnr.

Id/- N.R.N.
29-6-49

Id/- J.M.D.
29-6-49
A.A.S.

Id/- K.V.J.
29-6-49
D.S.

-10-
PKB/24/11

3 P.W.O. 305/48(1)
44795

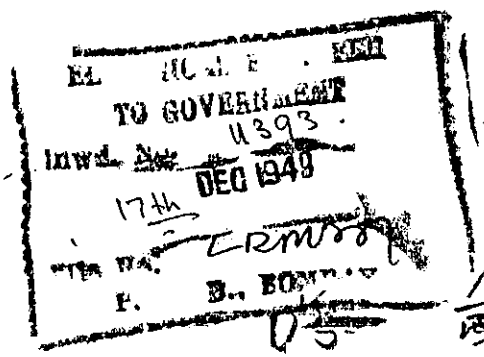
El. Engr (I)

Resubmitted with Refce. to o/n. dated the 29-6-49, copy at fo. 1 ante.

2. The main file has since been received and is being dealt with separately. Copies of relevant ffrs. have from the main file have been taken and arranged at fo. 1 to 4. of the C.S. The Amalgamated Elg. (Bel) Ltd was advised to order an additional set vide G/L. No. 305/48-El, Dated the 6-6-49 copy at fo. 3 of C.S. Please see the reply received from the Coy. at fo. 5 of the C.S. This may be referred u/o. to the El. Engr. for remarks.

14/4/50

S.O. (I) to El. Engr (I) of 16-12-49



5 — p.3

Below U.O.R.No.305/48(I)/44795 dated the 16th December 1949, from Government in the Public Works Department.

No. LRM31/1040 of 1950.

Bombay, 28th February 1950.

Returned, with compliments.

2. The engine of the new additional set has been erected, but the alternator and the switchboard have not yet been received. They are expected to be received before the end of February 1950.

3. The existing plant is capable of taking a maximum load of 560 K.W.; which is just sufficient to meet the present maximum demand. When the above additional set is put into commission, the plant will be capable of accommodating a maximum load of 810 K.W. only, although the installed capacity of the plant will be 1004 K.W., as stated by the Company. There are more than 1000 pending requisitions for a total load of 350 K.W.for lighting and 650 K.W.for power. The additional plant will not be able to accommodate the above load. Besides, many power consumers who are at present receiving supply during restricted hours, i.e. from 10 p.m.to 6 a.m., will demand supply during the day time. The Company's plea that out of the pending requisitions, only 50 to 60 per cent load will materialise cannot be accepted. On the contrary, it is expected that more load will crop up as soon as the restrictions are removed.

× vide 'A' ~ p. 5 g C.S.

4. Out of the six generating sets in the power house, 3 sets of 75 K.W.each are continuously in service for more than 15 years and have finished the normal working life.

life and their output is rapidly going down. Within a short period the capacity of the plant will be considerably reduced, unless the Company takes immediate steps to replace these worn out sets. The new set will be utilised to meet the accumulated demand and the plant will be working under fully loaded condition, and there will be no standby plant to enable the Company to carry out the necessary repairs and routine overhauling of the engines.

5. It is suggested, therefore, that the Company should be asked to order out a new set of adequate capacity, as soon as the peak load on the station reaches 650 K.W. after giving connections to all the ~~pending~~ consumers on the waiting list.

Electrical Engineer to Govt.

P.

E&I 1/3
P. W. D.
File No. 305/48(1)
Serial No. 16549

E/B.(I) P.W.D.

Submitted with reference to the O.N. p3

-dated the 13-12-49.

21. Please see the Cy's letter on -pp. 5-6 of C.S. For reasons stated therein the Cy. considers that it will be -possible for it to meet the ~~prospective~~ -demands for -addl. load as soon as the new set is -put into commision. The Elecl. Engr. however, does not -agree with the Cy's -argument -at 'A' on -p- 5 of C.S. & ~~considered~~ & considers that pp 5 & ~~some~~ more load will crop up as soon -as the restrictions -are removed. That officer -also states that -as the new set will be utilised to meet the -accumulated demand & the plant will be working under fully loaded condition there wd no standby plant to enable the Cy. to carry out the necy. repairs & routine overhauling -of the engines. The Elecl. Engr. therefore suggests that the Cy. shd. be asked to -ordered -at a new set -of -adequate capacity, as soon -as the peak load on the station reaches to 650 kW. -after -giving connection to all

the

305/48/16549.

the consumers on the waiting list. 9L is therefore for orders whether the Cy. may be informed accordingly. | A

[Through E.I.Rv.(II)]

28.3.50.

As at 'A' above

27/3/50

27/3

D.S.
Secy.

E.I.Rv.(I).

P.W.D.

Resubmitted with the necy. draft ×bb 7-8 of C-S for approval.

30-3-50
19-4-50.

13/4/50

D.S.

G. R., G. D., No. 2408, dated 22-6-29

Std. Sectt. 78 a.

DOCKET SHEET

Subject :—

File No. 305/48(1)

P.W **DEPT.**

El **BRANCH.**

References :—

Date.	To whom sent.	Notes and instructions.

AMALGAMATED ELECTRICITY(BEL.)LTD.,BELGAUM BRANCH.

The power house is equipped with six generating sets, having an aggregate rated capacity of ~~634~~ 284 kWs. but actually capable of taking maximum load of 565 kWs. safely. The peak load on the station goes upto 550 kWs.

The plant is working under full load conditions. Thorough overhauling and replacement of worn out parts cannot be carried out, due to lack of standby plant. The three sets of 75 kWs. are continuously in service for nearly 15 years and hence have deteriorated considerably. In order to give relief to the over-load plant, the supply Company is obliged to give restricted supply i.e. 10 P.M. to 6 A.M. to some of its consumers in the town.

There are about 875 pending requisitions for lighting and power with the Company due to the non-abailability of additional supply.

The Company has placed an order for an additional plant of 250 kW. capacity. The engine has already received at site and is in course of erection. The alternator and the switch board are expected within a month or so. The additional plant will accommodate only a small portion of the demand. Considering the possibility of electrical development in the town, it is suggested that the Company may be asked to order out an additional plant of adequate capacity to cope up with the increasing demand of the town within the next few years.

Sd/-
Electrical Engineer to Govt.

2.
SSS.
24/11/49

No.305/48-El. P. W. Deptt.,
B.C.,(Bombay No.1),6th June 1949.

To

Messrs. Amalgamated Electy.(Bel) Ltd.,
Belgaum Br.,
77 B, Elphinstone Circle, Fort, Bombay.

Subject:- Electric supply at Belgaum.

Dear Sirs,

It is understood that your generating sets have deteriorated considerably due to continuous service for a long time and thorough overhauling and replacement of worn out parts cannot be undertaken for want of a standby plant. Govt. is aware of the additional plant of 250 kW capacity ordered by you. However considering the possibility of electrical development in the town I am to request you to order out an additional plant of adequate capacity to cope with the demand of the town in the next few years.

2. Please intimate to Govt. the steps taken by you in the above matter.

Yours faithfully,

D.A.-Nil.

Copy forwarded for information to the El.Engr. to Govt. with refce. to the corres. ending with his No.LRM.31/6712, dt. the 31-1-49.

Copies to the Elecl.Commr. with the Govt. of Bombay, for information.

Id/-
21-5-49.

Id/- K.D.K.
27-5-49.
U. S.

Id/- K.V.J.
27-5-49.
D. S.

2
SSS.
12/12/49.

5

THE AMALGAMATED ELECTRICITY CO., (BEGAUM), LTD.

MANAGING AGENTS: THE CONSOLIDATED ELECTRIC AGENCIES LTD.

TEL. ADD. "CONELECTRO"
TELEPHONE NO. [redacted] 32869-(TWO LINES).

P. O. BOX No. 879.
17B. ELPHINSTONE CIRCLE, FORT.

Ref. No. BEL/P/7/49/L/1

BOMBAY, 7th July 19 49.

The Deputy Secretary to Government,
Public Works Department,
BOMBAY:

Dear Sir:

Re: Electric supply at Belgaum:
Your letter No.305/48-El of the
6th June 1949. p.3

With reference to your above letter, we would observe as under:-

The loading capacity of the present generating sets has to a certain extent reduced due to the attendance required for overhauling. The necessary parts have been ordered and the same will be undertaken when our new 300 K.W. set which is under erection would function.

The position of supply at present is as under:-

Connected lighting load.	1575	K.W.
" power "	978	"
Maximum demand:- Lighting.	540	K.W.
Motive Power.	300	"

We have test reports of wiring installations completed with their requisition forms pending with us as under:-

Lighting. ...	87 test reports =	34 K.W.
Motive power ...	5 " " =	26 "

We have pending with us requisition forms of prospective consumers as under:-

Lighting ...	870 applications =	316 K.W.
motive power ...	130 " =	632 "

From the experience we had in the past, out of the above pending applications, we estimate the following will materialise:-

Lighting ...	200 K.W.
Motive power...	300 "

A.

As per the present statistics, the maximum demand is about 33% of the connected load and accordingly, the present maximum demand of 540 K.W. for lighting would increase to 610 K.W. and for power 300 K.W. to 400 K.W.

The present installed capacity of the plant is 704 K.W. which with the addition of the new set would be 1004 K.W.

It will be seen from the above figures that against a total maximum demand for lighting of 610 K.W. and motive power 400 K.W. we will have an installed plant capacity of 1004 K.W.

We will keep a close watch on the developments of the load and as soon as we find a necessity, we will order out a new plant. We assure Government that no time will be lost when the necessity arises to order out the new set.

Yours faithfully,

The Amalgamated Electricity Co. (Belgaum) Ltd.
For Consolidated Electric Agencies Ltd., Managing Agents.

Managing Director.

NCJ/TSR.

E1.8/7

305/48(1)

44795

7

305/48(I)/16549.

No. 305/48 (I)-El (I)

P.W.D.

B.C. (Bombay No 1)

15th ~~March~~ April 1950

To

~~M/s~~ The Amalgamated Ely. Cy. (Belgaum) Ltd.
(Belgaum Branch)
Post Box No. 879,
17 B, Elphinstone Circle, Fort, B'bay No 1.

Subject :— Electric supply at Belgaum.

Dear Sirs,

With reference to the correspondence ending with your letter No. BEL/P/7/49/L/1, dated the 7th July 1949, on the subject mentioned above,

9 →

305/48-(I)/16549. 8

I am to request you to order out a new set of adequate capacity, as soon as the peak load on the station reaches 650 kW. after giving connections to all the consumers on the waiting list.

D.A. - Nil.

Yours faithfully,

Deputy Secy. to the Govt of B'bay,
P.W.D.

Issued 18/11/50

Copy forwarded to the Elect. Engr. to Govt pp 5-6 of N.S. with reference to his No. LRM. 31/10240, dated the 28th February 1950.

Copies to the Elect. Commr. with the Govt. of B'bay for information.

( )

19-4-50.